

Appendix C

HEALTH WORKFORCE DATA

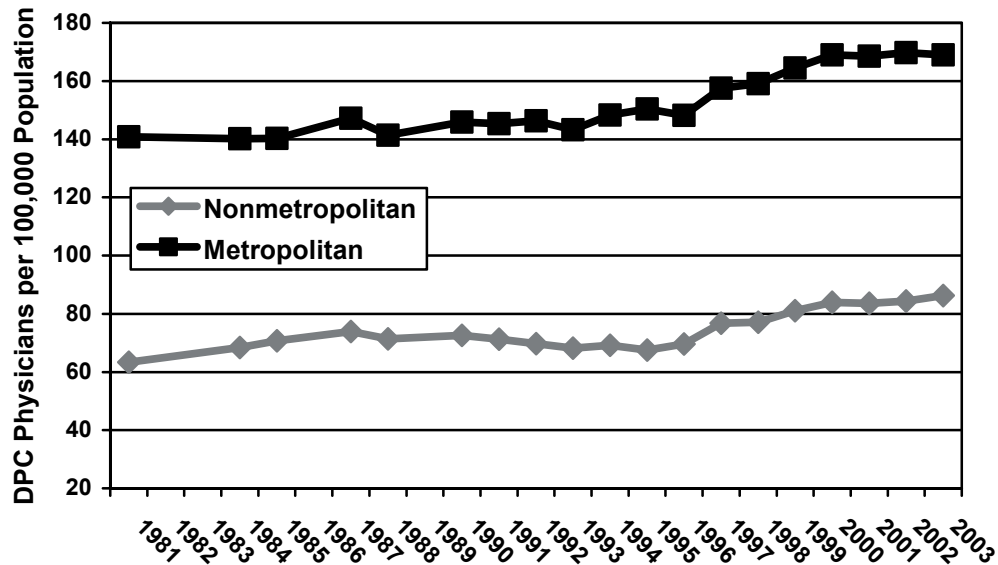


2005–2010

TEXAS STATE HEALTH PLAN

APPENDIX C-1 Direct Patient Care Physicians

DPC Physicians per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1981–2003



Source: Texas State Board of Medical Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, non-federal, non-resident in training physicians

2003 Texas Direct Patient Care Physician Facts:

White	69.7%	Male	77.6%	Median Age Male	49
Black	3.9%	Female	22.4%	Median Age Female	43
Hispanic	11.0%				
Other	15.4%				

Number of Counties with no Direct Patient Care Physicians 21

Providers/100,000 Population

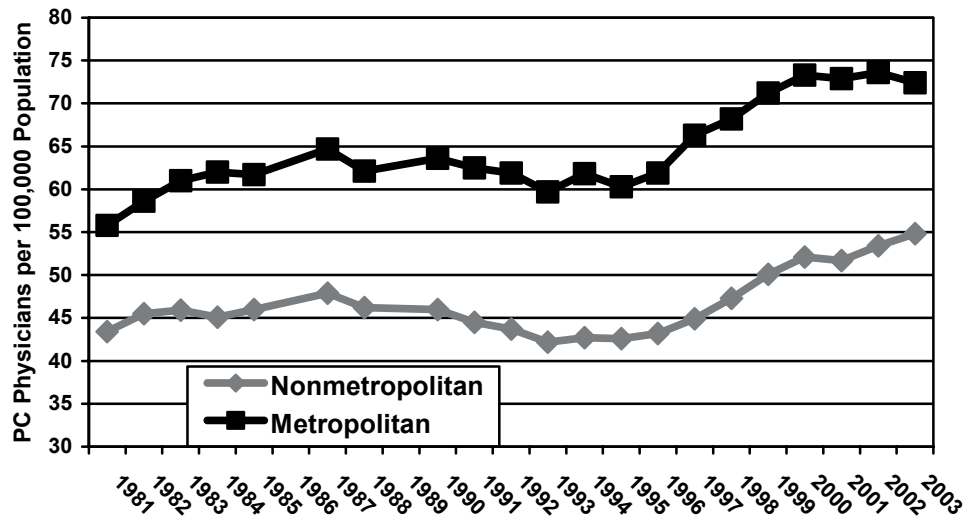
Border Metropolitan	146.8
Non-Border Metropolitan	174.7
Border Non-Metropolitan	70.4
Non-Border Non-Metropolitan	89.5

Trends:

Year	Number	Providers/100,000 Population
1990	22,711	133.7
1995	25,683	137.2
2000	31,769	156.2
2003	34,432	157.7

APPENDIX C-2 Primary Care Physicians

PC Physicians per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1981–2003



Source: Texas State Board of Medical Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, non-federal, non-resident in training physicians

2003 Texas Primary Care Physician Facts:

White	63.2%	Male	70%	Median Age Male	49
Black	5.2%	Female	30%	Median Age Female	41
Hispanic	13.7%				
Other	17.9%				

Number of Counties with no Primary Care Physicians 22

Providers/100,000 Population

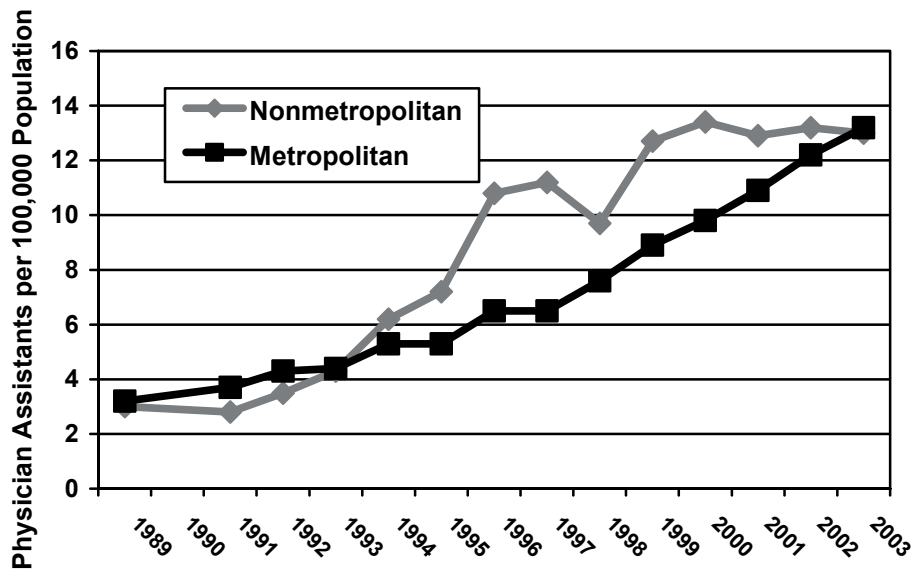
Border Metropolitan	64.7
Non-Border Metropolitan	74.3
Border Non-Metropolitan	47.6
Non-Border Non-Metropolitan	56.3

Trends:

Year	Number	Providers/100,000 Population
1990	10,308	60.7
1995	10,763	57.5
2000	14,268	70.1
2003	15,278	70.0

APPENDIX C-3 Physician Assistants

Physician Assistants per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1989–2003



Source: Texas State Board of Medical Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state physician assistants

2003 Texas Physician Assistant Facts:

White	76.0%	Male	47.5%	Median Age Male	44
Black	5.4%	Female	52.5%	Median Age Female	37
Hispanic	11.6%				
Other	7.0%				

Number of Counties with no Physician Assistants 61

Providers/100,000 Population

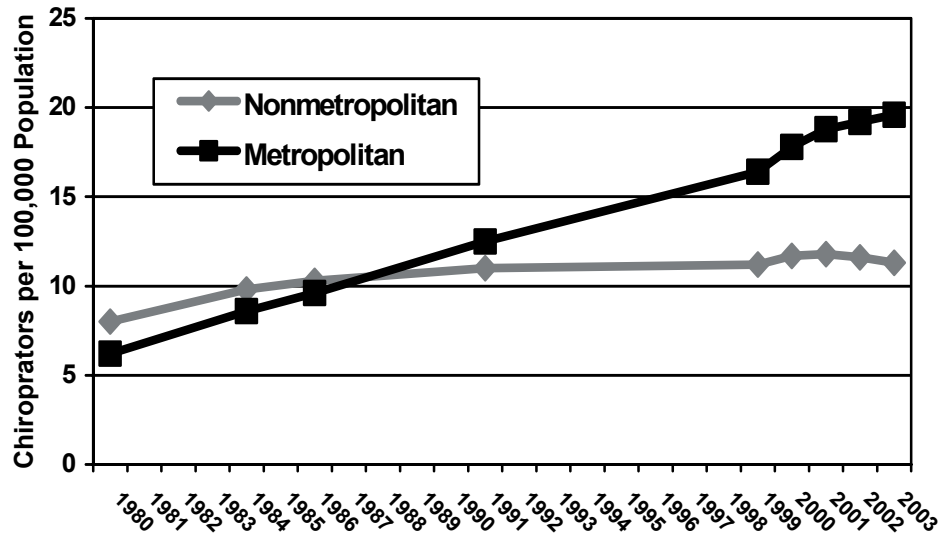
Border Metropolitan	13.0
Non-Border Metropolitan	13.3
Border Non-Metropolitan	13.4
Non-Border Non-Metropolitan	12.9

Trends:

Year	Number	Providers/100,000 Population
1991	622	3.6
1995	1,052	5.6
2000	2,106	10.4
2003	2,881	13.2

APPENDIX C-4 Chiropractors

Chiropractors per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1980–2003



Source: Texas State Board of Chiropractic Examiners
Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget
Figures include all licensed, active, in-state chiropractors

2003 Texas Chiropractor Facts:

Race-ethnicity data not available

Male	78.5%	Median Age Male	41
Female	21.5%	Median Age Female	39

Number of Counties with no Chiropractors 80

Providers/100,000 Population

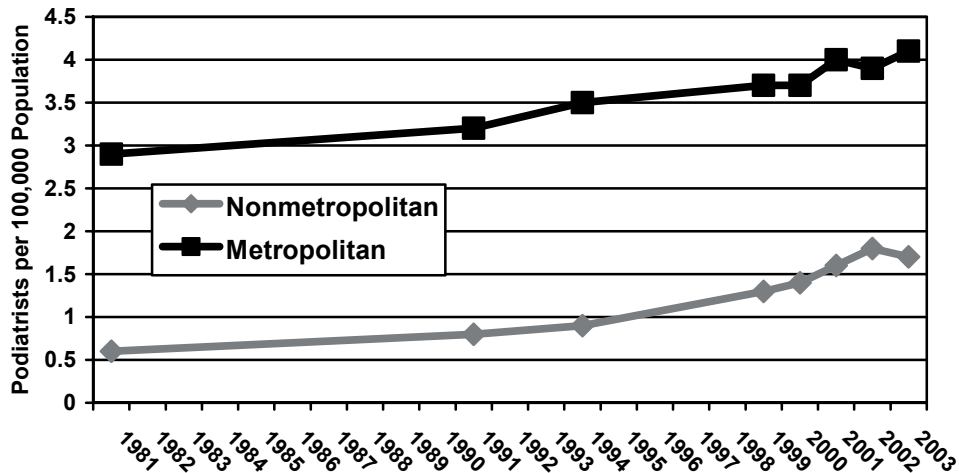
Border Metropolitan	11.1
Non-Border Metropolitan	21.8
Border Non-Metropolitan	6.2
Non-Border Non-Metropolitan	12.3

Trends:

Year	Number	Providers/100,000 Population
1990	1,972	11.6
1994	2,325	12.7
2000	3,426	16.8
2003	4,033	18.5

APPENDIX C-5 Podiatrists

Podiatrists per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1981–2003



Source: Texas State Board of Podiatric Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state podiatrists

2003 Texas Podiatrists Facts:

White	78.4%	Male	81.8%	Median Age Male	45
Black	9.0%	Female	18.2%	Median Age Female	35
Hispanic	4.9%				
Other	7.6%				

Number of Counties with no Podiatrists 167

Providers/100,000 Population

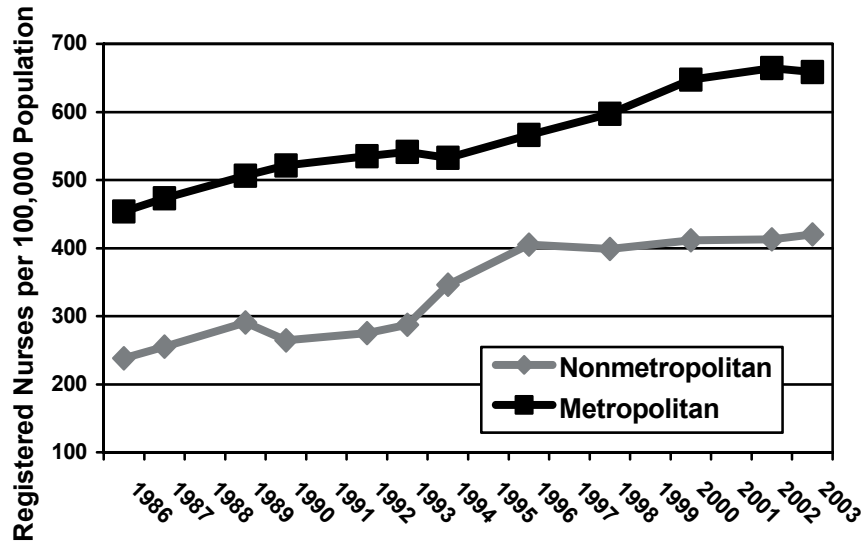
Border Metropolitan	4.3
Non-Border Metropolitan	4.0
Border Non-Metropolitan	2.3
Non-Border Non-Metropolitan	1.6

Trends:

Year	Number	Providers/100,000 Population
1991	496	2.9
1994	567	3.1
2000	682	3.4
2003	823	3.8

APPENDIX C-6 Registered Nurses

Registered Nurses per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1986–2003



Source: Texas Board of Nurse Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state registered nurses

2003 Texas Registered Nurse Facts:

White	76.6%	Male	9.2%	Median Age Male	43
Black	7.2%	Female	90.8%	Median Age Female	46
Hispanic	7.8%				
Other	8.4%				

Number of Counties with no Registered Nurses 4

Providers/100,000 Population

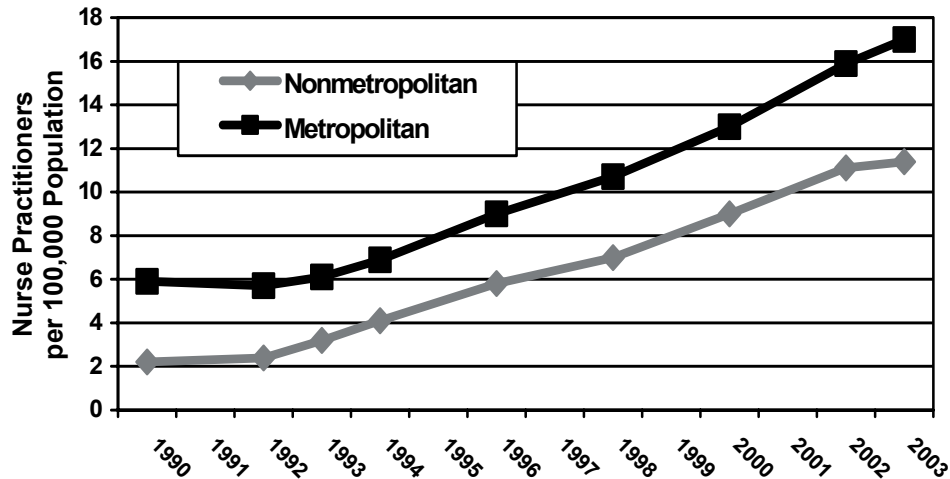
Border Metropolitan	600.4
Non-Border Metropolitan	673.4
Border Non-Metropolitan	295.1
Non-Border Non-Metropolitan	446.1

Trends:

Year	Number	Providers/100,000 Population
1990	81,320	478.7
1996	103,358	540.3
2000	124,495	611.9
2003	136,660	626.1

APPENDIX C-7 Nurse Practitioners

Nurse Practitioners per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1990–2003



Source: Texas Board of Nurse Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state nurse practitioners

2003 Texas Nurse Practitioner Facts:

White	84.6%	Male	7.4%	Median Age Male	44
Black	4.7%	Female	92.6%	Median Age Female	47
Hispanic	6.9%				
Other	3.8%				

Number of Counties with no Nurse Practitioners 68

Providers/100,000 Population

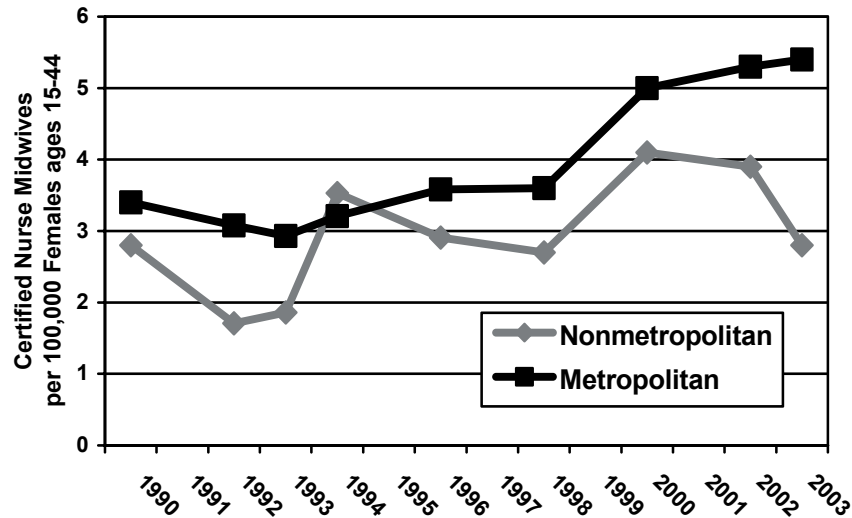
Border Metropolitan	13.6
Non-Border Metropolitan	17.8
Border Non-Metropolitan	9.1
Non-Border Non-Metropolitan	11.9

Trends:

Year	Number	Providers/100,000 Population
1991	964	5.6
1996	1,633	8.6
2000	2,517	12.4
2003	3,539	16.2

APPENDIX C-8 Certified Nurse Midwives

Certified Nurse Midwives per 100,000 Females ages 15–44, Metropolitan and Non-Metropolitan Counties, Texas, 1990–2003



Source: Texas Board of Nurse Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state certified nurse midwives

2003 Texas Certified Nurse Midwife Facts:

White	91.0%	Male	0.4%	Median Age Male	43
Black	5.3%	Female	99.6%	Median Age Female	48
Hispanic	2.4%				
Other	1.3%				

Number of Counties with no Certified Nurse Midwives 213

Providers/100,000 Females Ages 15–44

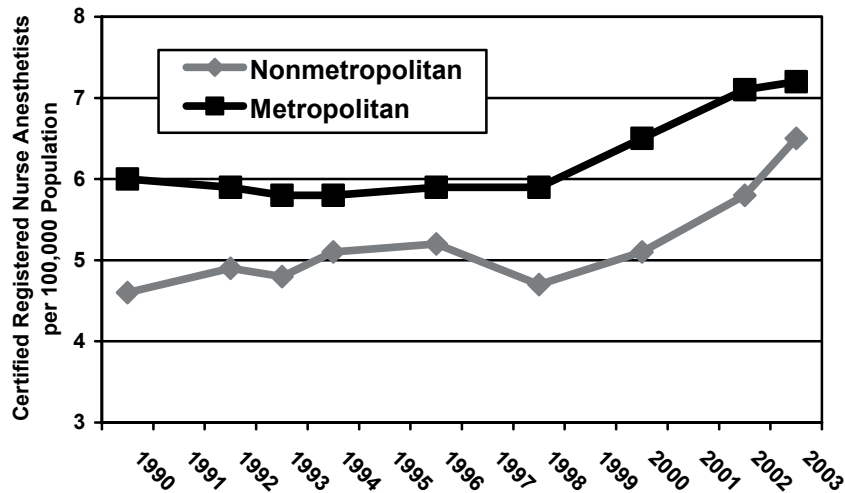
Border Metropolitan	5.2
Non-Border Metropolitan	5.4
Border Non-Metropolitan	1.9
Non-Border Non-Metropolitan	3.0

Trends:

Year	Number	Providers/100,000 Females Ages 15–44
1990	135	3.3
1996	155	3.5
2000	231	4.9
2003	245	5.1

APPENDIX C-9 Certified Registered Nurse Anesthetists

Certified Registered Nurse Anesthetists per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1990–2003



Source: Texas Board of Nurse Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state certified nurse anesthetists

2003 Texas Certified Registered Nurse Anesthetist Facts:

White	91.5%	Male	43.6%	Median Age Male	50
Black	2.7%	Female	56.4%	Median Age Female	49
Hispanic	3.0%				
Other	2.8%				

Number of Counties with no Certified Registered Nurse Anesthetists 118

Providers/100,000 Population

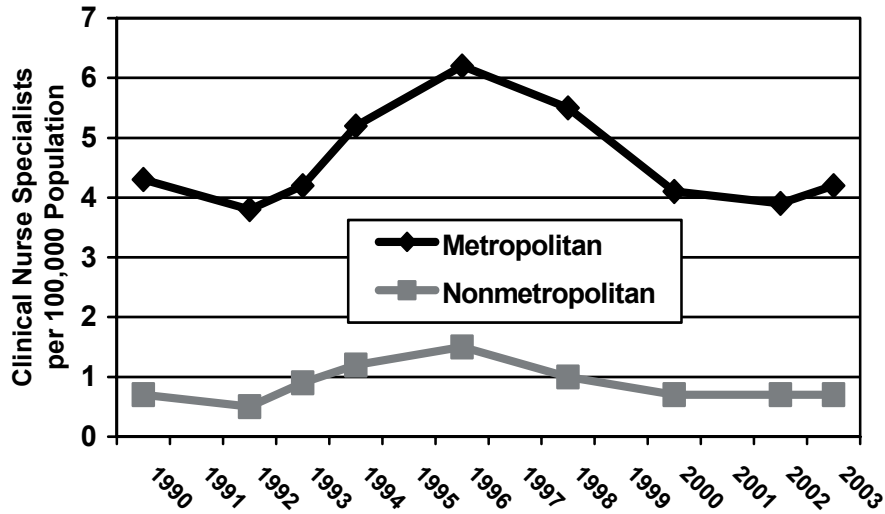
Border Metropolitan	4.9
Non-Border Metropolitan	7.8
Border Non-Metropolitan	4.5
Non-Border Non-Metropolitan	6.9

Trends:

Year	Number	Providers/100,000 Population
1990	983	5.8
1996	1,108	5.8
2000	1,274	6.2
2003	1,547	7.1

APPENDIX C-10 Clinical Nurse Specialists

Clinical Nurse Specialists per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1990–2003



Source: Texas Board of Nurse Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state clinical nurse specialists

2003 Texas Clinical Nurse Specialist Facts:

White	83.7%	Male	7.7%	Median Age Male	49
Black	6.7%	Female	92.3%	Median Age Female	51
Hispanic	6.3%				
Other	3.3%				

Number of Counties with no Clinical Nurse Specialists 190

Providers/100,000 Population

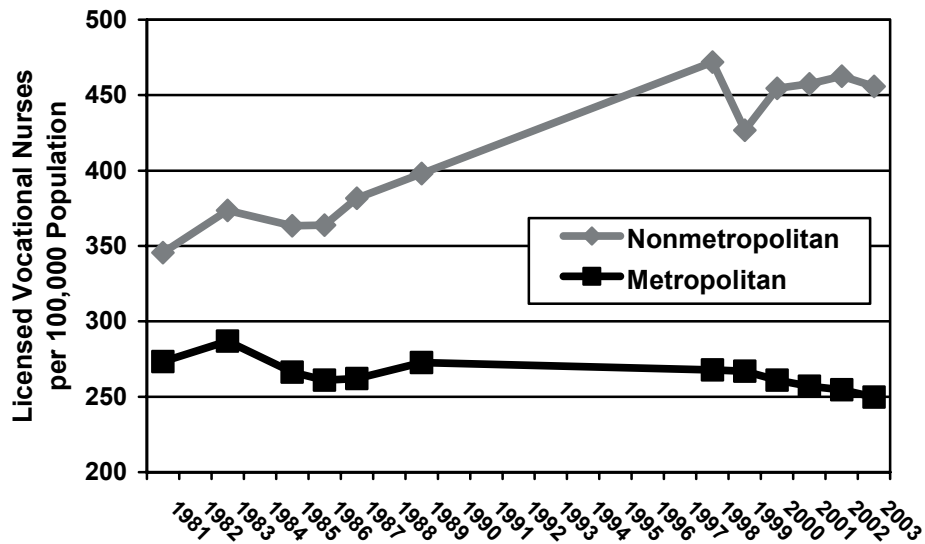
Border Metropolitan	4.3
Non-Border Metropolitan	4.1
Border Non-Metropolitan	0.0
Non-Border Non-Metropolitan	0.9

Trends:

Year	Number	Providers/100,000 Population
1990	631	3.7
1996	1,055	5.5
2000	724	3.6
2003	804	3.7

APPENDIX C-11 Licensed Vocational Nurses

Licensed Vocational Nurses per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1981–2003



Source: Texas Board of Vocational Nurse Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state licensed vocational nurses

2003 Texas Licensed Vocational Nurse Facts:

White	60.7%	Male	9.0%	Median Age Male	41
Black	18.9%	Female	91.0%	Median Age Female	46
Hispanic	17.9%				
Other	2.6%				

Number of Counties with no Licensed Vocational Nurses 3

Providers/100,000 Population

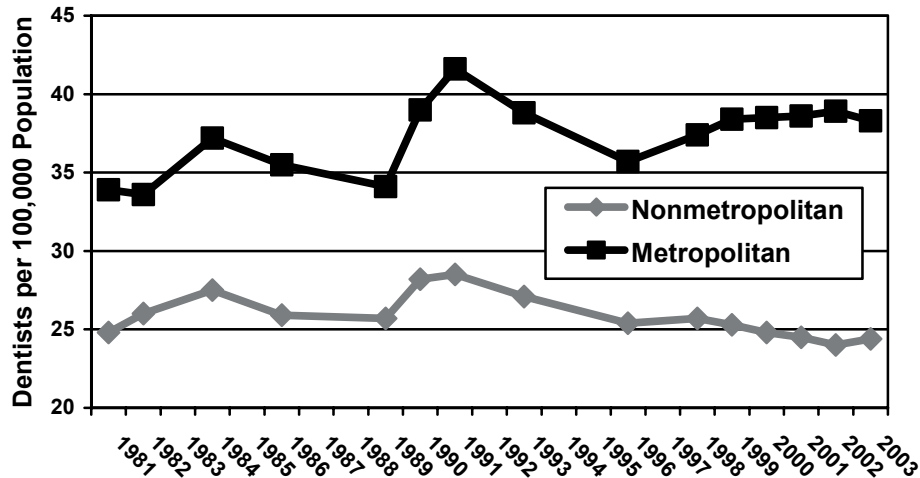
Border Metropolitan	274.8
Non-Border Metropolitan	243.4
Border Non-Metropolitan	373.3
Non-Border Non-Metropolitan	473.1

Trends:

Year	Number	Providers/100,000 Population
1989	49,389	293.9
1998	58,795	299.2
2000	59,034	290.2
2003	60,666	277.9

APPENDIX C-12 Dentists

Dentists per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1981–2003



Source: Texas State Board of Dental Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state, non-federal dentists

2003 Texas Dentist Facts:

Race-ethnicity data not available

Male	78.3%	Median Age Male	49
Female	21.7%	Median Age Female	38

Number of Counties with no Dentists 46

Providers/100,000 Population

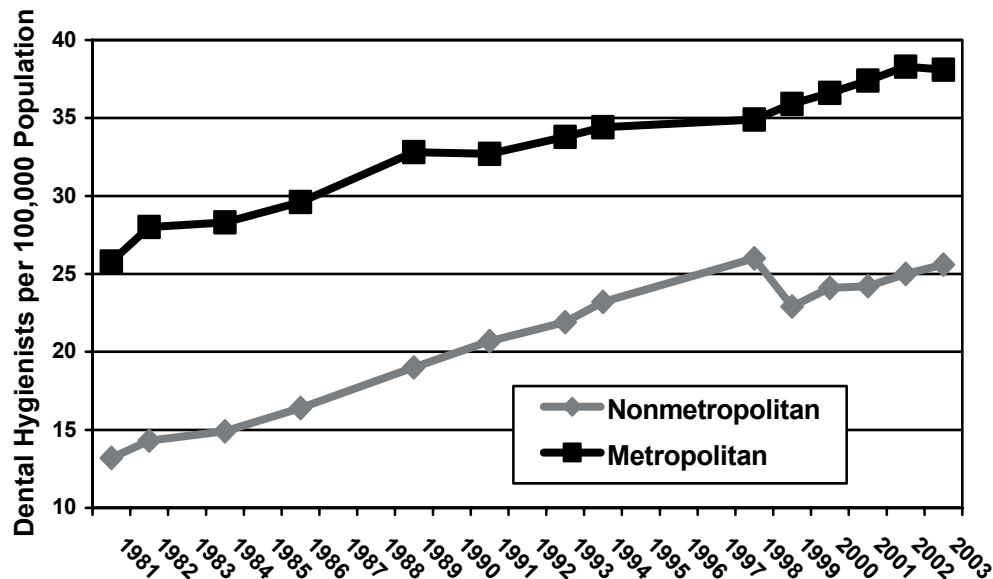
Border Metropolitan	27.8
Non-Border Metropolitan	40.9
Border Non-Metropolitan	17.7
Non-Border Non-Metropolitan	25.8

Trends:

Year	Number	Providers/100,000 Population
1990	6,320	37.2
1996	6,518	34.1
2000	7,417	36.5
2003	7,939	36.4

APPENDIX C-13 Dental Hygienists

Dental Hygienists per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1981–2003



Source: Texas State Board of Dental Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state, dentists

2003 Texas Dental Hygienist Facts:

Race-ethnicity data not available

Male	1.5%	Median Age Male	35.5
Female	98.5%	Median Age Female	40.0

Number of Counties with no Dental Hygienists 58

Providers/100,000 Population

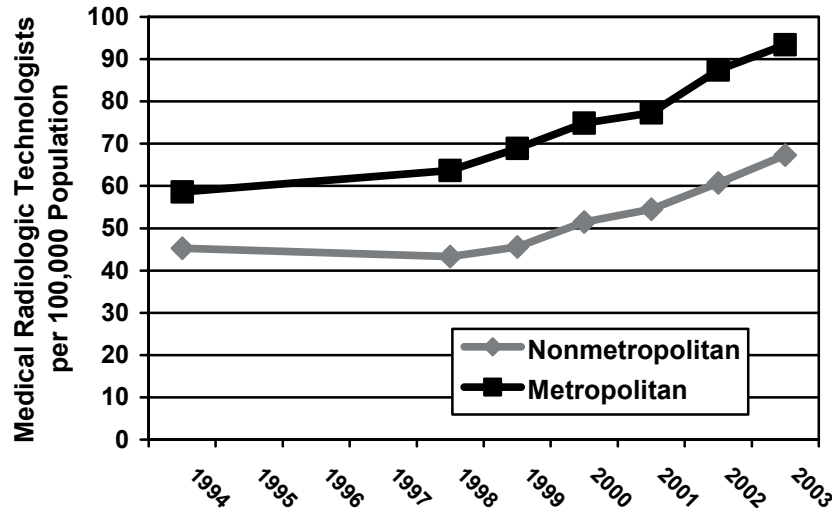
Border Metropolitan	28.0
Non-Border Metropolitan	40.7
Border Non-Metropolitan	14.2
Non-Border Non-Metropolitan	28.0

Trends:

Year	Number	Providers/100,000 Population
1991	5,338	30.8
1994	5,987	32.6
2000	7,057	34.7
2003	7,948	36.4

APPENDIX C-14 Medical Radiologic Technologists

Medical Radiologic Technologists per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1994–2003



Source: Professional Licensing and Certification Division, TDH
Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget
Figures include all licensed, active, in-state medical radiologic technologists

2003 Texas Medical Radiologic Technologists Facts:

Race-ethnicity and gender data not available

Median Age 42

Number of Counties with no Medical Radiologic Technologists 38

Providers/100,000 Population

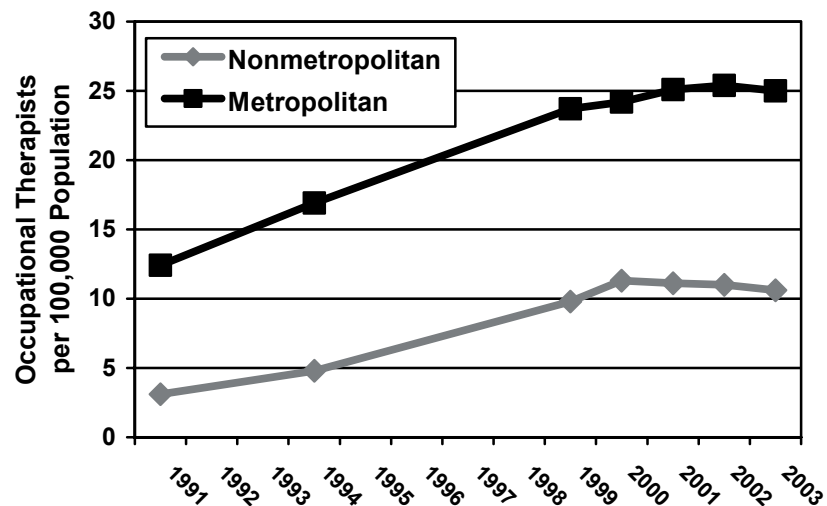
Border Metropolitan	91.5
Non-Border Metropolitan	93.3
Border Non-Metropolitan	48.4
Non-Border Non-Metropolitan	71.3

Trends:

Year	Number	Providers/100,000 Population
1994	10,385	56.5
1998	11,906	60.6
2000	14,517	71.4
2003	19,614	89.9

APPENDIX C-15 Occupational Therapists

Occupational Therapists per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1991–2003



Source: Texas Board of Occupational Therapy Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state occupational therapists

2003 Texas Occupational Therapist Facts:

White	77.7%	Male	11.9%	Median Age Male	37
Black	3.9%	Female	88.1%	Median Age Female	38
Hispanic	10.9%				
Other	7.5%				

Number of Counties with no Occupational Therapists 97

Providers/100,000 Population

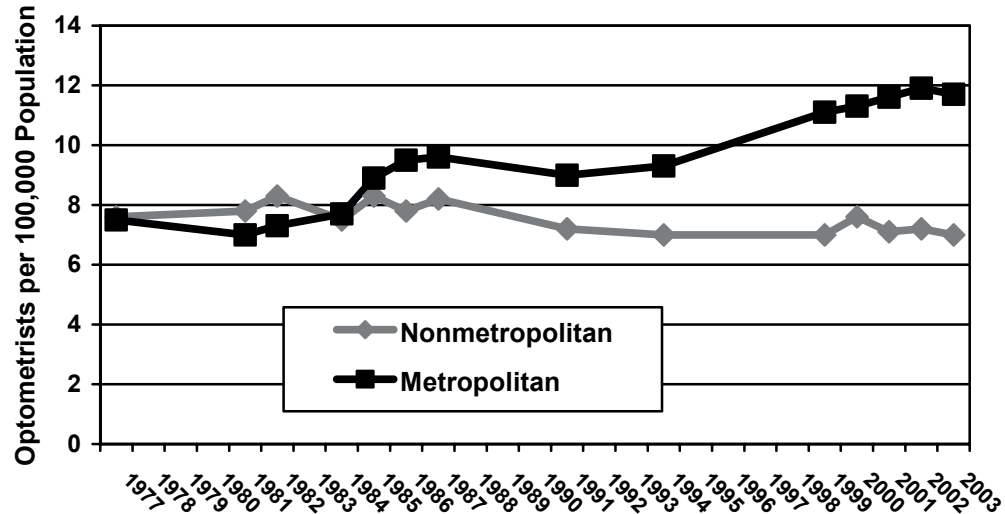
Border Metropolitan	20.8
Non-Border Metropolitan	26.0
Border Non-Metropolitan	8.0
Non-Border Non-Metropolitan	11.1

Trends:

Year	Number	Providers/100,000 Population
1991	1,894	10.9
1994	2,756	15.0
2000	4,526	22.2
2003	5,019	23.0

APPENDIX C-16 Optometrists

Optometrists per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1977–2003



Source: Texas Optometry Board

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state optometrists

2003 Texas Optometrist Facts:

White	72.9%	Male	64.9%	Median Age Male	47
Black	2.5%	Female	35.1%	Median Age Female	35
Hispanic	7.9%				
Other	16.7%				

Number of Counties with no Optometrists 110

Providers/100,000 Population

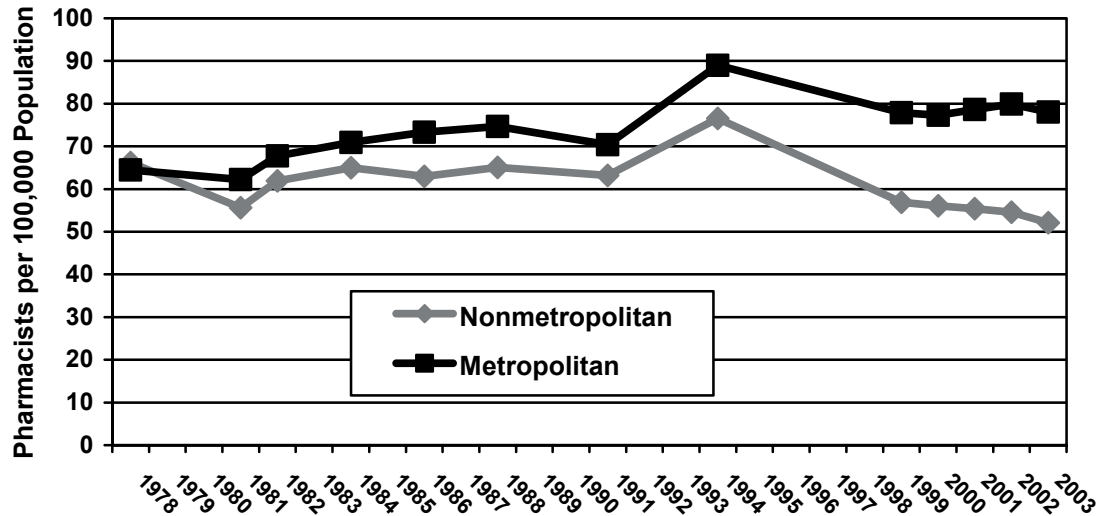
Border Metropolitan	8.4
Non-Border Metropolitan	12.6
Border Non-Metropolitan	5.8
Non-Border Non-Metropolitan	7.2

Trends:

Year	Number	Providers/100,000 Population
1991	1,513	8.7
1994	1,644	8.9
2000	2,177	10.7
2003	2,419	11.1

APPENDIX C-17 Pharmacists

Pharmacists per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1978–2003



Source: Texas State Board of Pharmacy

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state pharmacists

2003 Texas Pharmacist Facts:

White	60.9%	Male	53.7%	Median Age Male	51
Black	12.1%	Female	46.3%	Median Age Female	39
Hispanic	8.7%				
Other	14.3%				

Number of Counties with no Pharmacists 18

Providers/100,000 Population

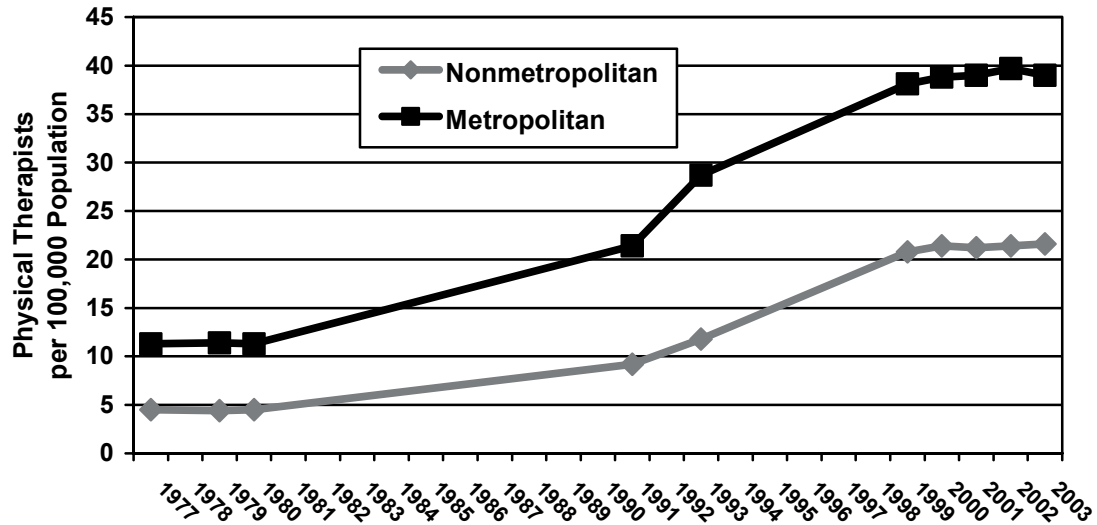
Border Metropolitan	58.1
Non-Border Metropolitan	83.1
Border Non-Metropolitan	40.6
Non-Border Non-Metropolitan	54.5

Trends:

Year	Number	Providers/100,000 Population
1991	12,020	69.2
1999	14,931	74.7
2000	15,071	74.1
2003	16,262	74.5

APPENDIX C-18 Physical Therapists

Physical Therapists per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1977–2003



Source: Texas Board of Physical Therapy Examiners
Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget
Figures include all licensed, active, in-state physical therapists

2003 Texas Physical Therapist Facts:

White	79.9%	Male	28.9%	Median Age Male	38
Black	2.1%	Female	71.1%	Median Age Female	38
Hispanic	5.2%				
Other	12.7%				

Number of Counties with no Physical Therapists 61

Providers/100,000 Population

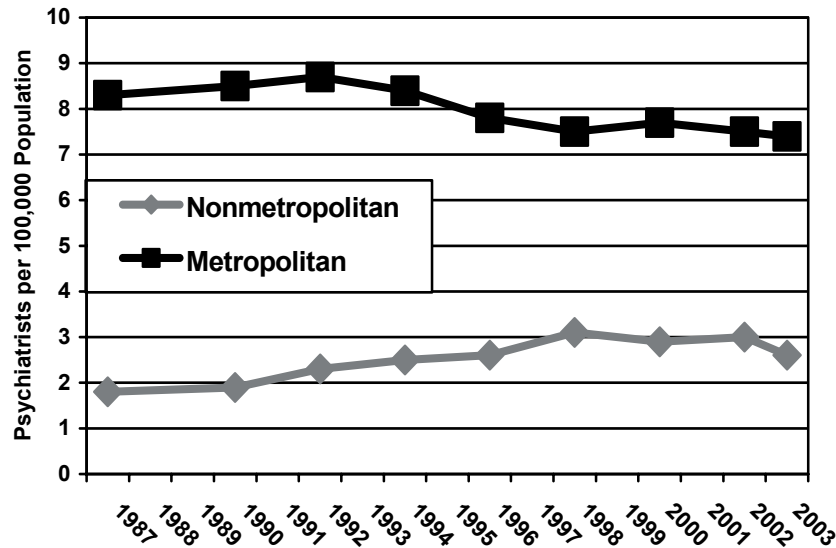
Border Metropolitan	30.3
Non-Border Metropolitan	41.2
Border Non-Metropolitan	15.4
Non-Border Non-Metropolitan	22.9

Trends:

Year	Number	Providers/100,000 Population
1991	3,373	19.4
1993	4,681	26.0
2000	7,358	36.2
2003	7,992	36.6

APPENDIX C-19 Psychiatrists

Psychiatrists per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1999–2003



Source: Texas Board of Medical Examiners

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget
Figures include all licensed, active, non-federal, non-resident in training psychiatrists

2003 Texas Psychiatrists Facts:

White	70.1%	Male	68.7%	Median Age Male	54
Black	3.7%	Female	31.3%	Median Age Female	48
Hispanic	13.0%				
Other	13.3%				

Number of Counties with no Psychiatrists 179

Providers/100,000 Population

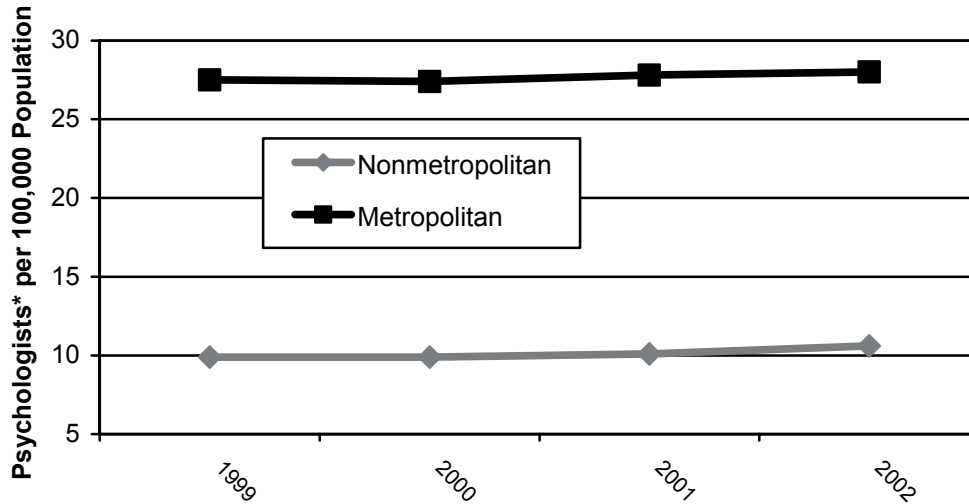
Border Metropolitan	6.5
Non-Border Metropolitan	7.7
Border Non-Metropolitan	2.7
Non-Border Non-Metropolitan	2.5

Trends:

Year	Number	Providers/100,000 Population
1990	1,264	7.4
1996	1,336	7.0
2000	1,422	7.0
2003	1,480	6.8

APPENDIX C-20 Psychologists*

Psychologists* per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1999–2002



Source: Texas State Board of Examiners of Psychologists

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state psychologists*

2003 Texas Licensed Psychologist* Facts:

Race-ethnicity, age, and gender data not available

Number of Counties with no Licensed Psychologists 151

Providers/100,000 Population

Border Metropolitan	11.2
Non-Border Metropolitan	17.9
Border Non-Metropolitan	3.7
Non-Border Non-Metropolitan	4.6

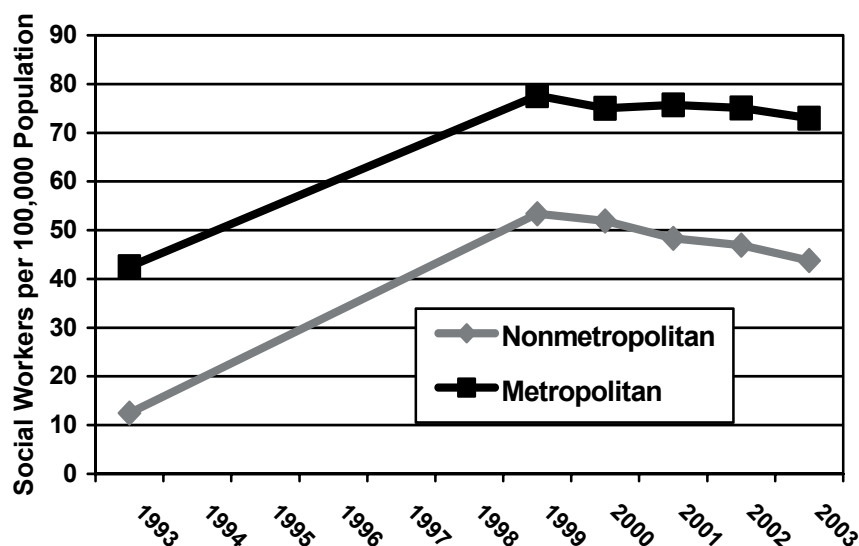
Trends:

Year	Number	Providers/100,000 Population
1993	1,715	9.5
2000	3,088	15.2
2003	3,254	14.9

*Note: There are four types of Psychologists in Texas: Licensed Psychologists (LP), Provisionally Licensed Psychologists (PLP), Licensed Psychological Associates (LPA), and Licensed Specialists in School Psychology (LSSP). An LP, PLP, or LPA may also be an LSSP. The data reflected in the graph above were derived from an unduplicated count of the sum of all four professions. The information in the 2003 Texas Licensed Psychologist Facts table applies to Licensed Psychologists only.

APPENDIX C-21 Social Workers

Social Workers per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1993–2003



Source: Professional Licensing and Certification Division, TDH

Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget

Figures include all licensed, active, in-state social workers

2003 Texas Social Worker Facts:

Race-ethnicity data not available

Male	17.8%	Median Age Male	51
Female	82.2%	Median Age Female	45

Number of Counties with no Social Workers 51

Providers/100,000 Population

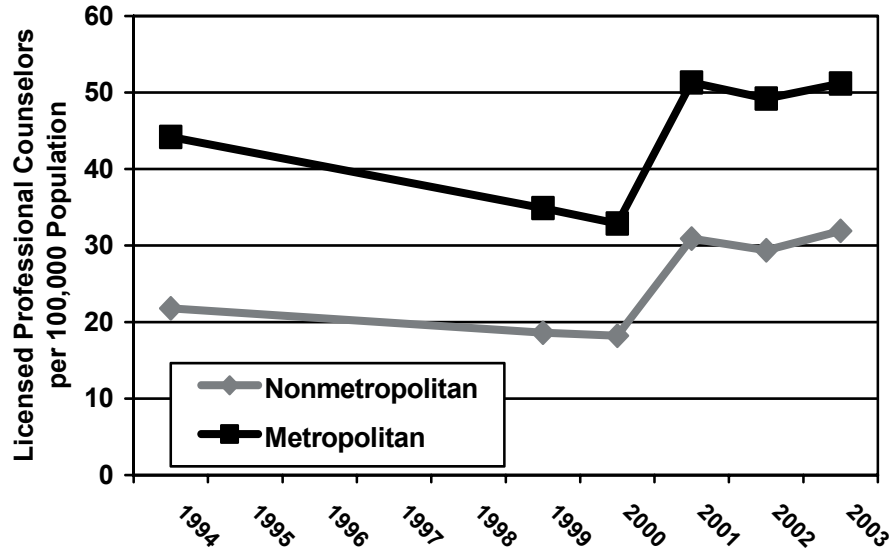
Border Metropolitan	66.1
Non-Border Metropolitan	73.8
Border Non-Metropolitan	34.4
Non-Border Non-Metropolitan	49.4

Trends:

Year	Number	Providers/100,000 Population
1993	6,783	37.6
2000	14,549	71.5
2003	15,003	68.7

APPENDIX C-22 Licensed Professional Counselors

Licensed Professional Counselors per 100,000 Population, Metropolitan and Non-Metropolitan Counties, Texas, 1994–2003



Source: Professional Licensing and Certification Division, TDH
Source for *metropolitan–non-metropolitan* definition: Office of Management and Budget
Figures include all licensed, active, in-state licensed professional counselors

2003 Texas Licensed Professional Counselor Facts:

Race-ethnicity and gender data not available

Median Age 53

Number of Counties with no Licensed Professional Counselors 52

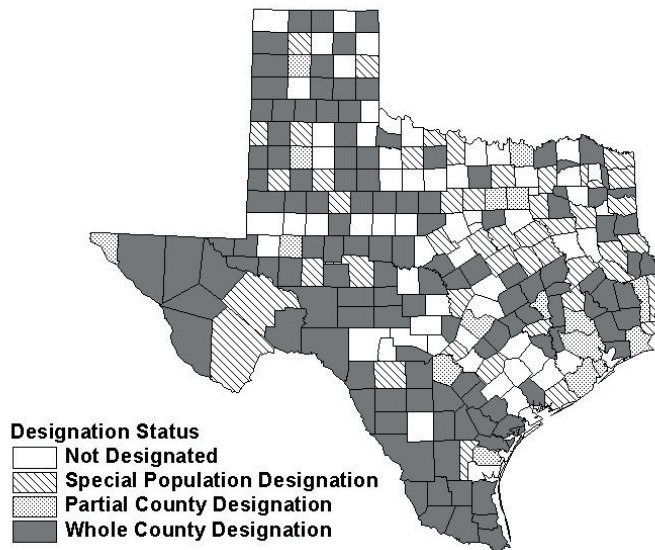
Providers/100,000 Population	
Border Metropolitan	42.8
Non-Border Metropolitan	53.3
Border Non-Metropolitan	25.1
Non-Border Non-Metropolitan	33.1

Trends:

Year	Number	Providers/100,000 Population
1994	7,514	40.9
1998	6,513	33.1
2000	6,269	30.8
2003	10,596	48.5

APPENDIX C-23

Federally Designated Primary Care Health Professional Shortage Areas in Texas, March 2004



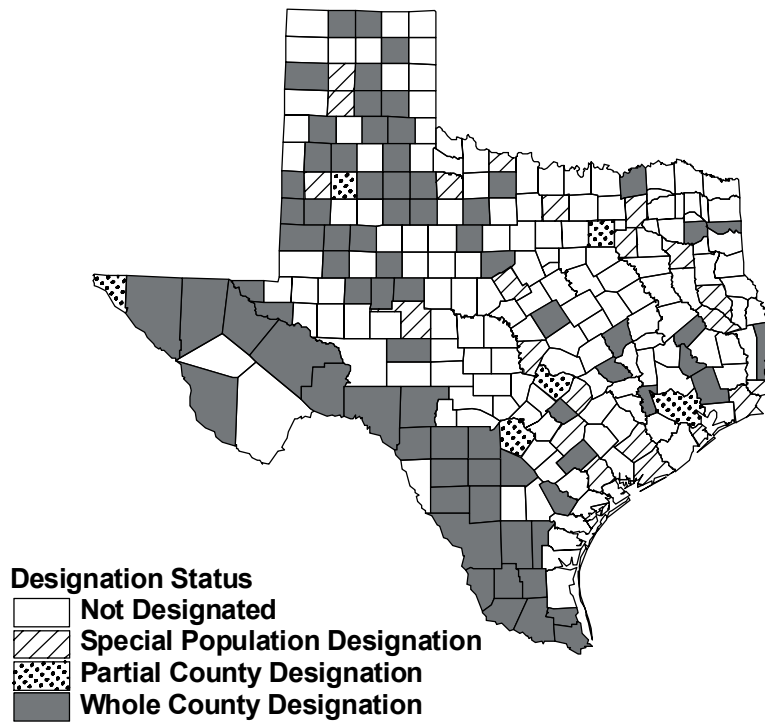
Prepared by:
Health Professions Resource Center
Center for Health Statistics
Texas Department of Health
Data Source:
Shortage Designation Branch
United States Department of Health and Human Services
March 2004

Federal “Primary Medical Care” Health Professional Shortage Areas (HPSAs)

The U.S. Department of Health and Human Services HPSA designation program is administered in conjunction with the Health Professions Resource Center. The designation program uses population-to-PC physician ratios to identify counties having shortages of PC physicians. In March 2004, 69.7 percent of the counties in Texas (131 whole counties; 46 partial counties) had either whole- or partial-county HPSA designations. Seventy-five percent of the 128 “whole county” HPSAs were rural counties, and 24 percent were border counties. In addition to geographic area designations, the HPSA designation program also provides for the designation of special population groups within geographic areas and for the designation of facilities under certain circumstances.

APPENDIX C-24

Federally Designated Dental Health Professional Shortage Areas in Texas, March 2004



Prepared by:
Health Professions Resource Center
Center for Health Statistics
Texas Department of Health
Data Source:
Shortage Designation Branch
United States Department of Health and Human Services
April 2004

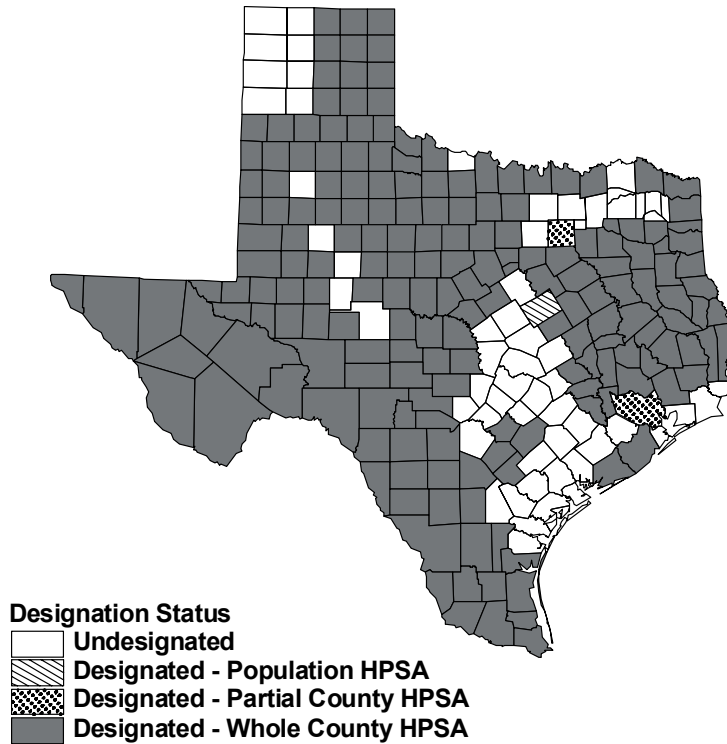
Federal Dental Health Professional Shortage Areas (HPSAs)

The U.S. DHHS HPSA designation program uses population-to-general dentist ratios to identify counties with a shortage of dentists. In addition to geographic area designations, the HPSA designation program also provides for the designation of special population groups within geographic areas and for the designation of facilities under certain circumstances.

In March 2004, 107 counties in Texas had some type of designation by the U.S. Department of Health and Human Services as experiencing a shortage of dentists. Seventy-nine of these designations were for whole counties.

APPENDIX C-25

Federally Designated Mental Health Professional Shortage Areas in Texas, March 2004



Prepared by:
Health Professions Resource Center
Center for Health Statistics
Texas Department of Health
Data Source:
Shortage Designation Branch
United States Department of Health and Human Services
April 2004

Mental Health Professional Shortage Areas

The U.S. DHHS Health Professional Shortage Area designation program uses population-to-psychiatrist ratios to identify counties with a shortage of psychiatrists. In addition to geographic area designations, the HPSA designation program also provides for the designation of special population groups within geographic areas and for the designation of facilities under certain circumstances. In March 2004, there were 189 counties designated by the U.S. DHHS as whole-county mental-health HPSAs in Texas, and two counties designated as partial-county mental-health HPSAs. Also, one county has a designation for low-income population.

